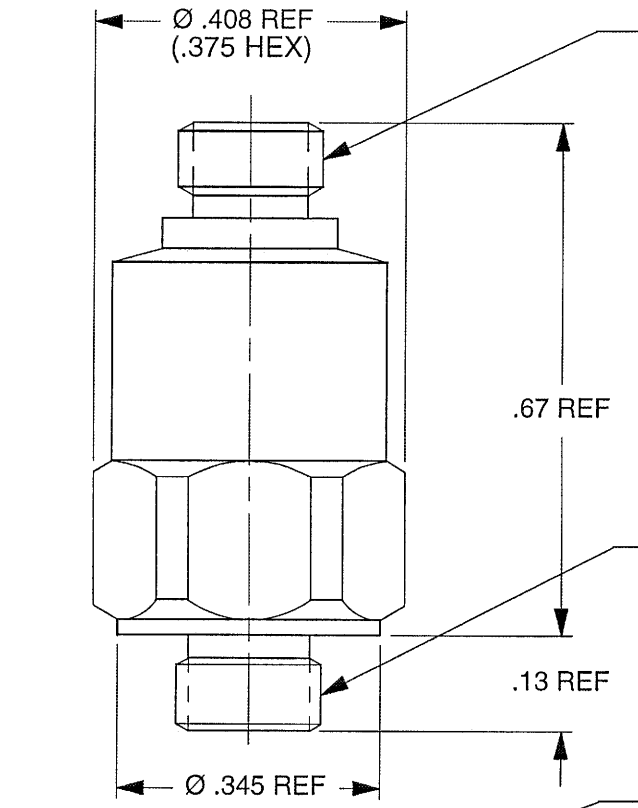
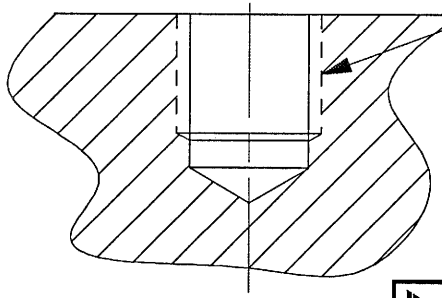




PORT PREPARATION:
PREPARE FLAT SURFACE OVER Ø .500 AREA.
AT CENTER DRILL #21(Ø .159) X .25 DEEP MIN
BOTTOM TAP #10-32 UNF-2B X .150 DEEP MIN

3. MATERIAL: HOUSING & CONNECTOR - 316L STAINLESS STEEL.
2. MOUNTING TORQUE - 15 LB.-IN.
1. WEIGHT - 6.8 GRAMS

EXCEPT AS OTHERWISE NOTED
ALL DIMENSIONS IN INCHES
TOLERANCE: .XXX = ± .XX= ± .01
SURFACE FINISH EXCEPT AS NOTED √
BREAK EDGES TO DEBURR RADIUS OR CHAMFER
△ THESE DIAS ⊙ TO T.I.R.
FILLETS - MAX RAD.

DYTRAN INSTRUMENTS, INC.

MASTER
ONLY IF IN RED

CHATSWORTH, CA.

SCALE 4X	REV A	DATE 1/29/07	ECN 4538		
DATE 12/7/95	PART NO. -				
DRAWN N.C.	CHECKED CES	MAT'L -			
APPROVED CG 1.29.07	NEXT ASSEMBLY -	USED ON SERIES 3030B5H			

TITLE
OUTLINE/INSTALLATION DRAWING, MODEL SERIES 3030B5H

DWG NO. **127-3030B5H**

SHEET 1 OF 1

Model Number 3030B5H	PERFORMANCE SPECIFICATION	DOC NO PS3030B5H
	MINIATURE IEPE ACCELEROMETER	REV B, ECN 6906, 07/07/10

- **MINIATURE SIZE**
- **EXCELLENT LINEARITY**
- **HERMETICALLY SEALED**
- **HIGH OPERATING TEMPERATURE**

		ENGLISH		SI	
PHYSICAL					
Weight		0.24	oz	6.8	grams
Size	Hex x Height	0.375 x 0.67	Inches	9.525 x 17.01	mm
Connector	Top Mounted	10-32 Micro Coax		10-32 Micro Coax	
Mounting Provision	Integral Stud	10-32 (UNF-2A)		10-32 (UNF-2A)	
Material	Accelerometer and Connector	304L		304L	
Element Style		Quartz Shear		Quartz Shear	
PERFORMANCE					
Sensitivity, ±5% [1]		10	mV/g	1	$mV/m/s^2$
Range F.S for ± 5 Volts Output		±500	g	±4905	m/s^2
Frequency Response, ±5%		5 to 10000	Hz	5 to 10000	Hz
Resonant Frequency, Nom		30	kHz	30	kHz
Equivalent Electrical Noise Floor		0.0036	Grms	0.0353	m/s^2 rms
Linearity [2]		± 1%	% F.S.	± 1%	% F.S.
Maximum Transverse sensitivity		5	%	5	%
Strain Sensitivity @ 250με		0.003	g/με	0.03	$m/s^2/με$
ENVIRONMENTAL					
Maximum Vibration		±1000	Gpeak	±9810	m/s^2 peak
Maximum Shock		±3000	Gpeak	±29430	m/s^2 peak
Temperature Range		-60 to+325	°F	-54 to 163	°C
Seal, Hermetic		Welded/Glass To Metal		Welded/Glass To Metal	
ELECTRICAL					
Supply Current Range [3]		2 to 20	mA	2 to 20	mA
Compliance Voltage Range		+ 18 to +30	Volts	+ 18 to +30	Volts
Output Impedance, Typ		100	Ω	100	Ω
Bias Voltage		7.5 to 11	VDC	7.5 to 11	VDC
Discharge Time Constant		0.1 to 0.15	Sec	0.1 to 0.15	Sec

This family also includes:

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)
3030B4	10	2 to 10000	0.5 to 1	-60 to 250
3030B5	10	5 to 10000	0.1 to 0.15	-60 to 250

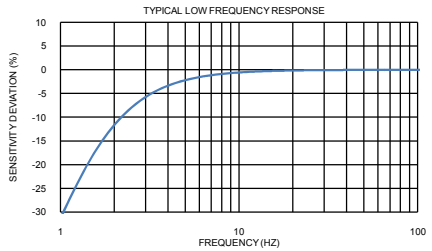
Please refer to the performance specifications of the products in this family for detailed description

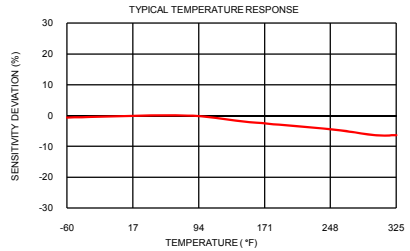
Supplied Accessories:

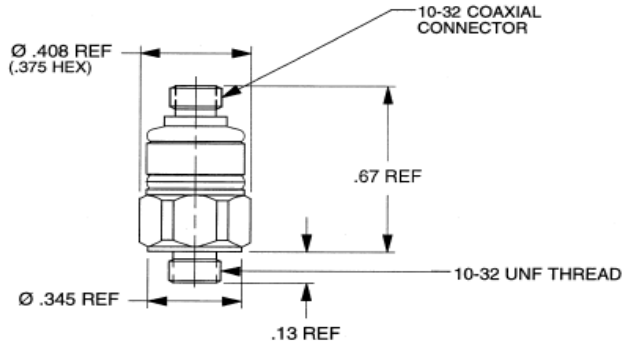
1) Accredited calibration certificate (ISO 17025)

Notes:

[1] Measure at 100Hz, 1 Grms per ISA RP 37.2
[2] Measure using zero-based straight line method, % of F.S. or any lesser range.
[3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.







Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3030B5H for more information.

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